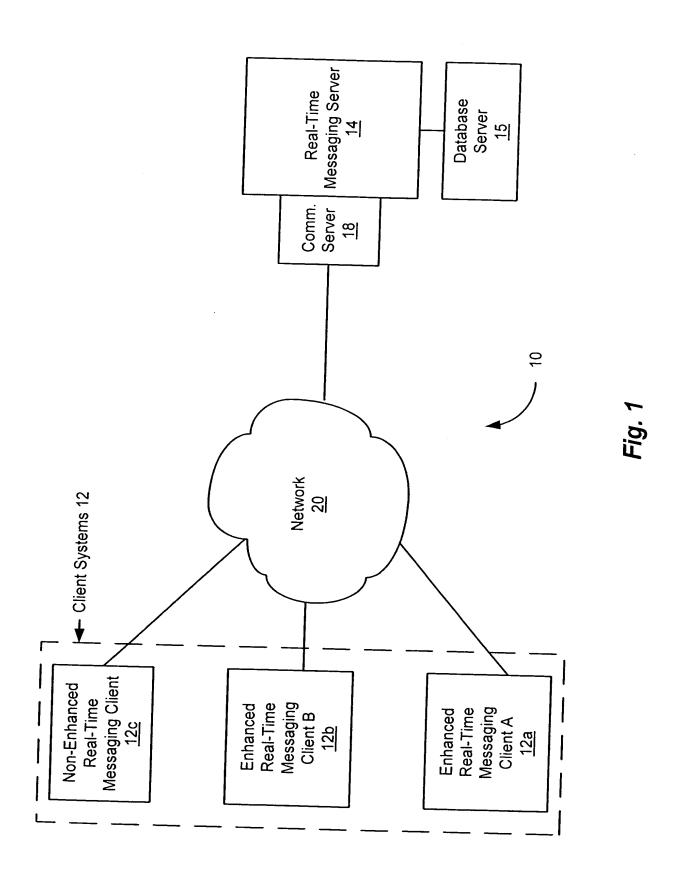
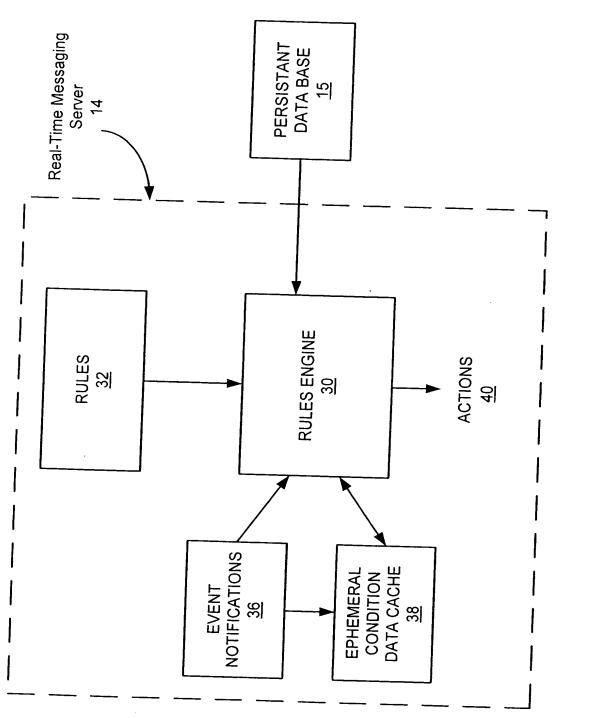
Title: RULES BASED REAL-TIME COMMUNICATION SYSTEM Inventor Name: Charles J. Digate, et

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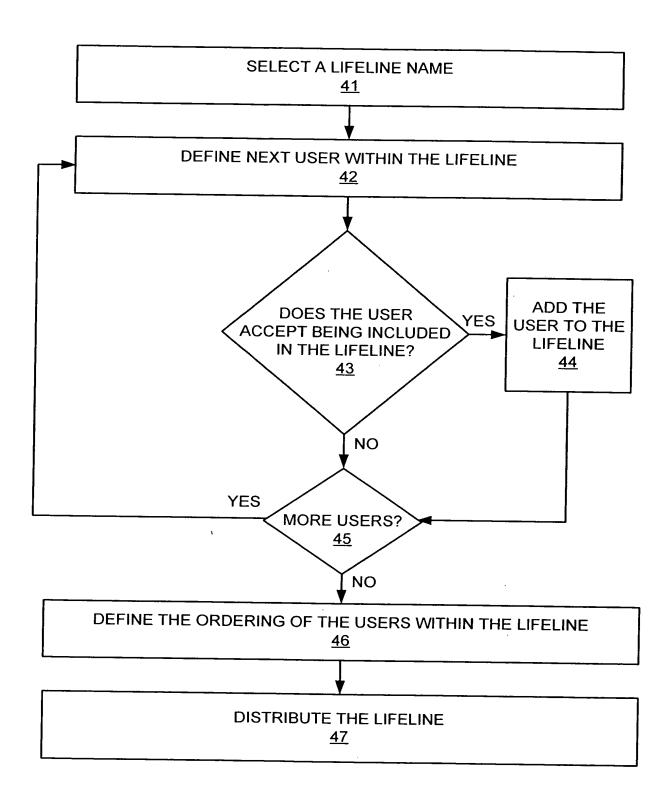


Fig. 3

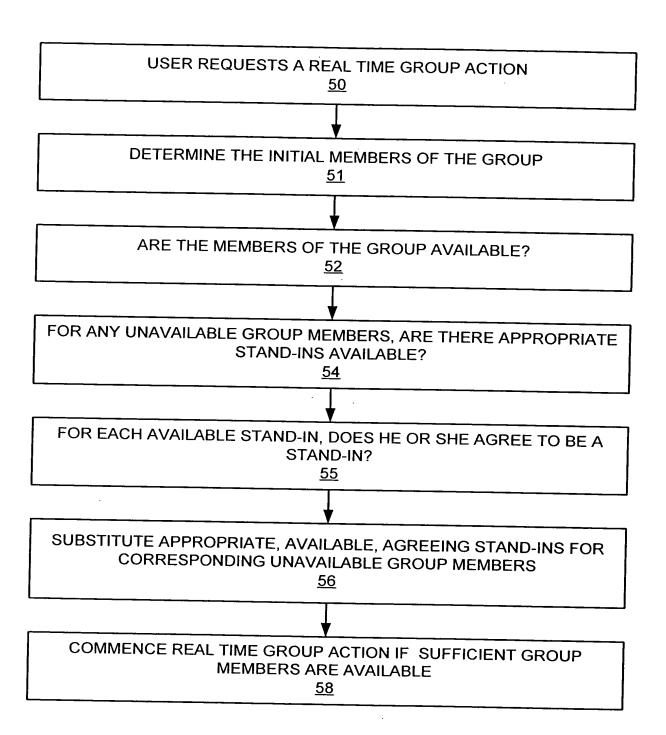
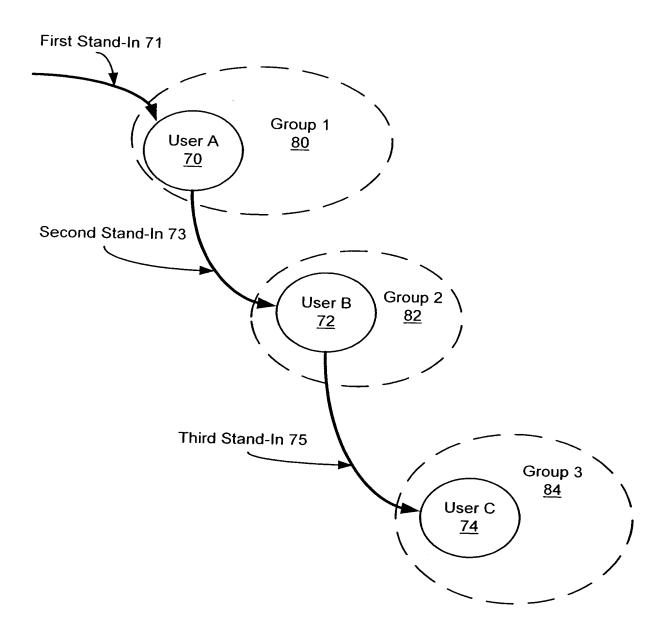


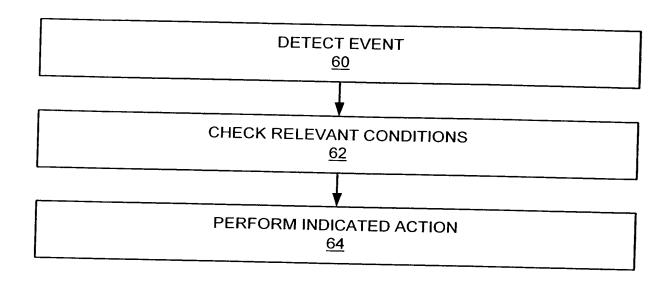
Fig. 4

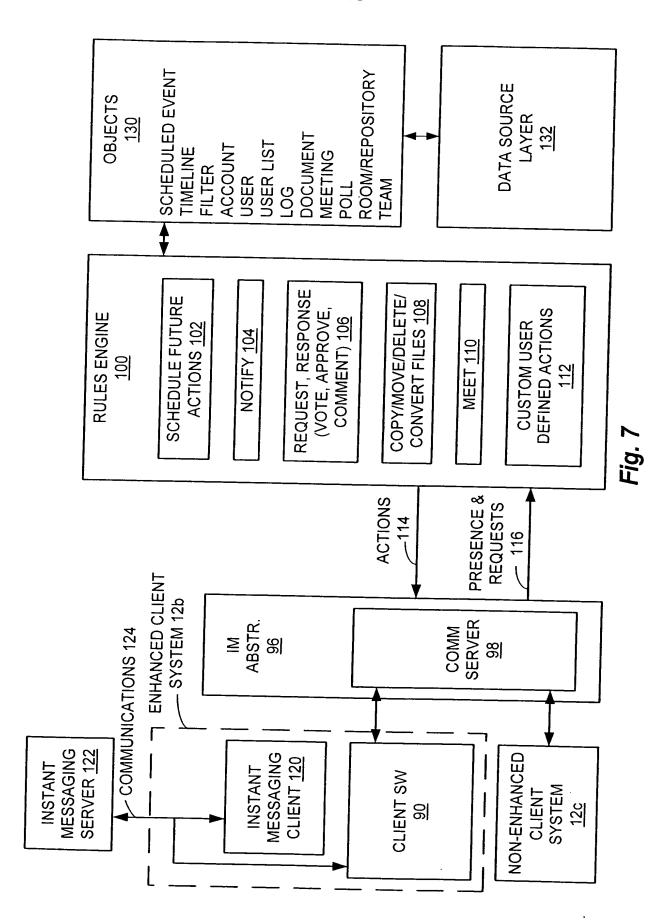
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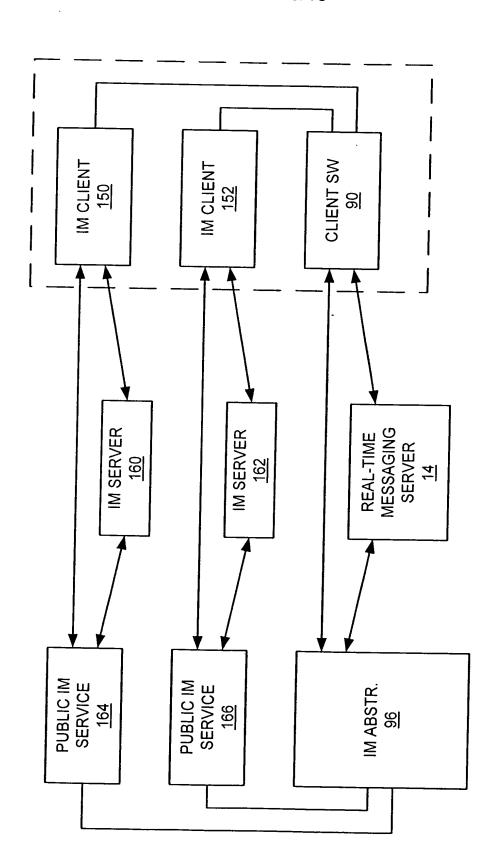


Fig. 8

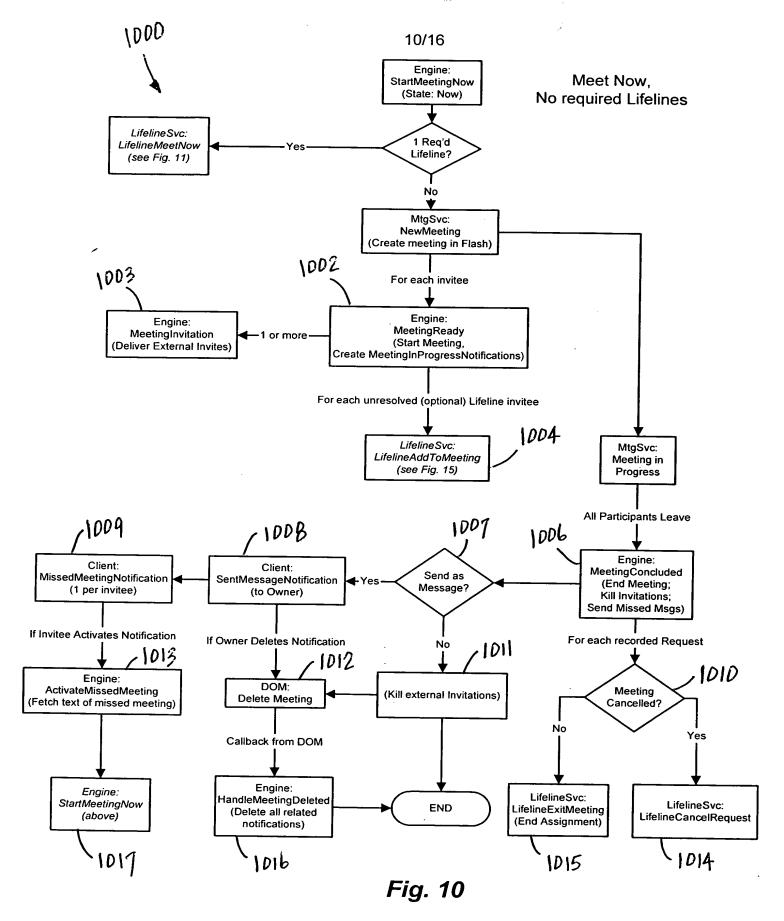
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When (Events) 172	If (Conditions) 174	Then (Actions) 176
Presence Changes user goes Online/Offline	Presence Auto-detected	Notify (IM, E-mail,SMS)
Explicit: Direct manipulation	User Defined Device Availability	Meet
User Defined Implicit:	Camera	Schedule
In a meeting on the phone	P P C C C C C C C C C C C C C C C C C C	Call
In-meeting events (e.g. presenting)	SMS ACG	Route
Specific Recurring	Bandwidth Capacity	Broadcast
	Identity PID	Contact Delegate
Invitation received	Lifeline -membership	Leave Message
to join group/team	location Group Membership	Transfer Thread
System Condition occurs	General selection by role/	Retract
Trigger from 3rd party application	rule	

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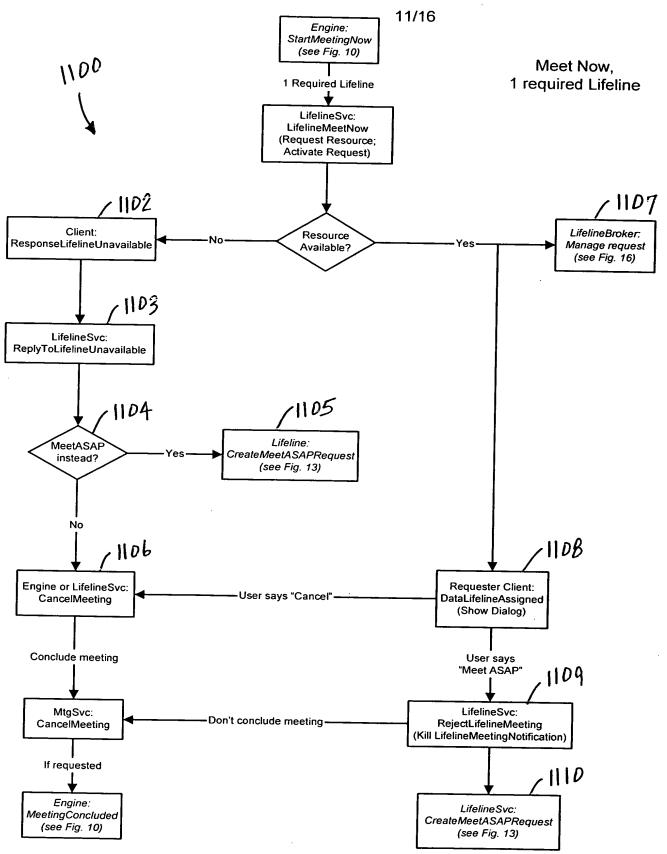


Fig. 11

Inventor Name: Charles J. Digate, et al. Docket No.: APM-001AX 1200 Engine: StartMeetingASAP 12/16 (State: ASAP) Meet ASAP, LifelineSvc: Required No required Lifelines LifelineMeetASAP Lifeline? (see Fig. 13) No /1208 (Create Meeting, Client: Notify PVS, PendingMeetingNotification Notify Timer) 1202 1205 **User Deletes Notification** $\dot{\nabla}$ Engine: SUSPEND Engine: Group Sub Changes MtgSvc: HandleAllPresent StartMeetingASAP CancelMeetASAP CancelMeeting (Kill StartMeetingASAP) (see Fig. 11) Request Times Out Client: DataPendingMeetingState (Enable / Disable Engine: DOM: PendingMeetingNotification) HandleTimeout Delete Meeting (Kill PendingMeetingNotification) (see Fig. 10) 1206 Client: MeetASAPResetNotification 1204 When a **DataPendingMeetingState** enables the Notification **END** -1209 Client: MeetingReady (Notification -> enabled) Client Invokes Notification 1210 Engine: DolnvokeMeeting 1212 1211 LifelineSvc: Lifeline LifelineInvokeMeeting Request? (Confirm reservation) 1213 No Engine or LifelineSvc: FinishInvokeMeeting (Kill StartMeetingASAP, Kill Notification, State: Now) MtgSvc: NewMeeting (see Fig. 10)

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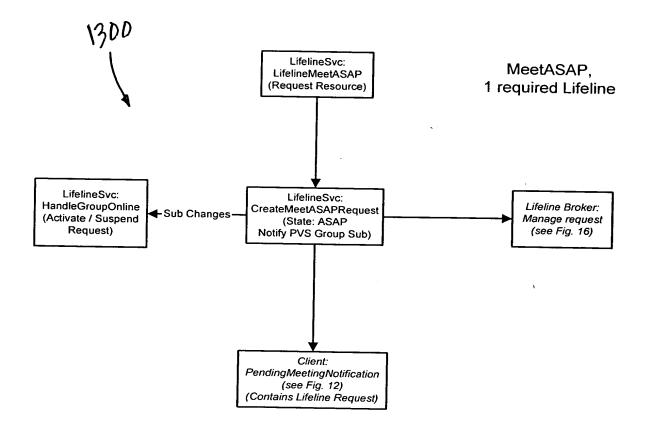


Fig. 13

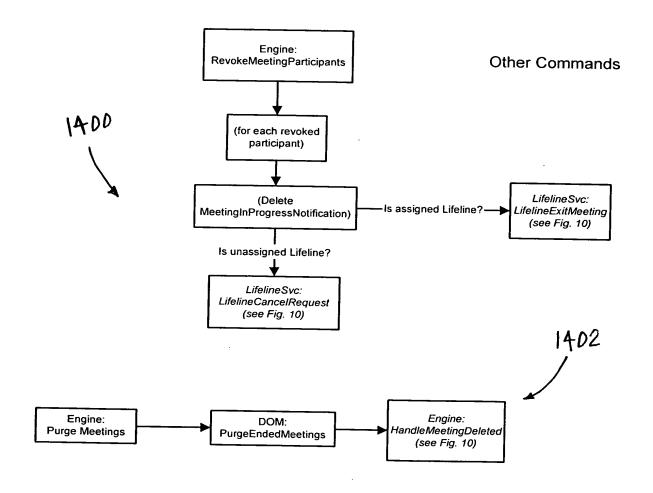


Fig. 14

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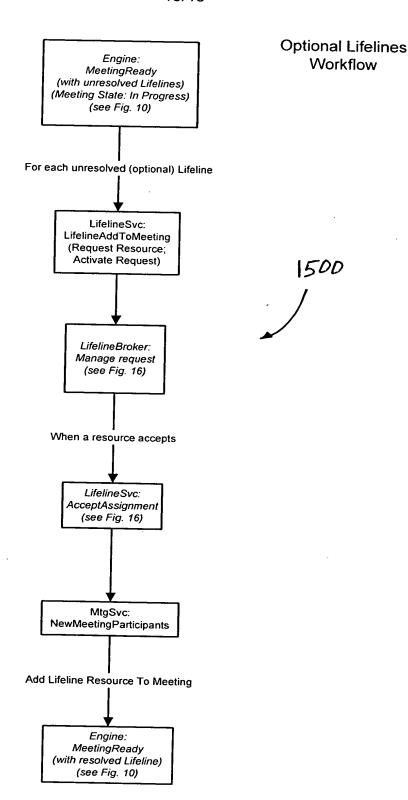


Fig. 15

Inventor Name: Charles J. Digate, et Docket No.: APM-001AX 1600 16/16 The requester is not LifelineBroker: Asynchronous Lifeline synchronously waiting for the RequestResource assignment, so there is no **Assignments** need to tell him or her about the refusal. LifelineBroker: LifelineSvc: If request times out-HandleRequestStatusChange Manage request -> Expired When Active & Resource available Engine: 1602 LifelineSvc: LifelineFinishExpire HandleRequestStatusChange -> ResourceReserved Engine: Handle Timeout LifelineSvc: Yes (see Fig. 12) OfferAssignment Pending or **InProgress** If the meeting is pending, the Client: reservation is not confirmed LifelineMeetingNotification until it gets invoked. (Show Toast) 1605 LifelineSvc: Accept 160B AcceptAssignment Assignment? 1607 (Confirm reserv.) Νo 1606 Resource LifelineSvc: Available? RejectAssignment Pending Meeting State No In Progress Client: DataPendingMeetingState MtgSvc: NewMeetingParticipants -> Ready Meeting State (see Fig. 12) (see Fig. 15) Now Now Client: LifelineSvc: ResponseLifelineUnavailable FinishInvokeMeeting 5 4 1 (see Fig. 11) (see Fig. 12)

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Fig. 16